

[illegible]

1           6.       The method of claim 1, further comprising using the output values to  
2   select intensities to be rendered on the output device.

1            11.     The method of claim 10, wherein using the input value and the  
2     determined value from the first matrix comprises:  
3            subtracting the determined value from the input value to produce the  
4     intermediary output value.

1        17.     A system for halftoning data, comprising:  
2        an output device capable of rendering multiple intensities;  
3        means for receiving input values;  
4        means for performing, for each received input value:

[illegible]

23. The system of claim 17, wherein the input value is in a first intensity  
range and the output value is in a second intensity range of values that are capable of  
being rendered by the output device.

1           28.     The system of claim 26, further comprising:  
2           means for determining whether the input value is greater than or equal to the  
3     determined value from the first matrix, wherein the second matrix is used to  
4     determine one output value in the second intensity range if the input value is greater  
5     than the determined value; and

[illegible]

$\frac{d}{dt} \left( \frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$ , where  $L$  is the Lagrangian function.

(i) using the input value as an output value if the input value is a predetermined value; and

1           34.     The program of claim 33, wherein the program code is further capable  
2     of causing the processor to perform using the output values to select intensities to be  
3     rendered on the output device.

1           36.     The program of claim 33, wherein the output device comprises one of  
2     a printer, display monitor, storage or transmission device.

1           38.     The program of claim 33, wherein the program code is further capable  
2     of causing the processor to perform using the output values to select intensities to be  
1     rendered on the output device.

39. The program of claim 33, wherein the input value is in a first intensity range and the output value is in a second intensity range of values that are capable of being rendered by the output device.

1            44.     The program of claim 42, wherein the program code is further capable  
2 of causing the processor to perform:  
3            determining whether the input value is greater than or equal to the determined  
4 value from the first matrix, wherein the second matrix is used to determine one output



1            45.        The program of claim 44, wherein the predetermined output value used  
2        if the input value is less than the determined value from the first matrix comprises a  
3        lightest color value in the second intensity range.

1           47.     The program of claim 42, wherein the first matrix is produced using a  
2     dithering algorithm.

1           48.     The program of claim 42, wherein the second matrix does not include  
2     any output intensity values in the second intensity range that produce unreliable print  
3     results.